

ABSTRACT

A bar code or similar symbol can be printed accurately within a specified printing area by a printer for printing such symbols. The printer has a symbol image generator for converting display data to a symbol and has hardware or software for reporting the size of the converted symbol to a host device. The host sends specific commands and text data for representation in the printed symbol to the printer for printing. As a result, the host can confirm whether printing within the specific area is possible.

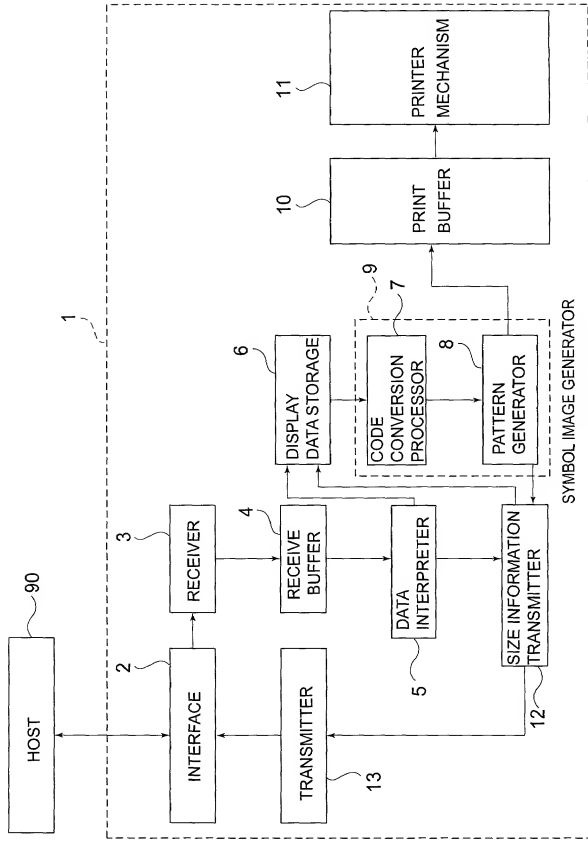


FIG. 1

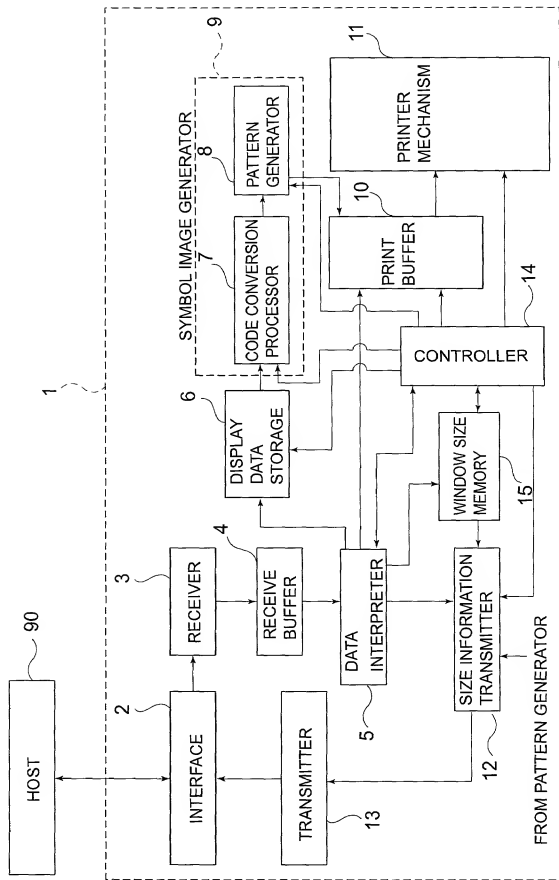


FIG. 2

COMMAND CODE	PARAMETERS	FUNCTION
XXX1	a1a2	SPECIFIES NUMBER OF COLUMNS (ROW LENGTH) OF PDF417 SYMBOL
XXX2	b1b2	SPECIFIES NUMBER OF ROWS IN PDF417 SYMBOL
XXX3	c1c2	SPECIFIES PDF417 SYMBOL MODULE WIDTH
XXX4	d1d2	SPECIFIES PDF417 SYMBOL ROW HEIGHT
XXX5	e	SPECIFIES PDF417 SYMBOL ERROR CORRECTION LEVEL
XXX6	f	SETS PDF417 SYMBOL OPTIONS
XXX7	g1-gn	STORES RECEIVED DATA TO DISPLAY DATA STORAGE
XXX8	-	PRINTS DISPLAY DATA STORED TO DISPLAY DATA STORAGE AS A SYMBOL
XXX9	-	TRANSMITS THE SYMBOL SIZE FOR THE STORED DISPLAY DATA IF PRINTED AS A SYMBOL

FIG. 3

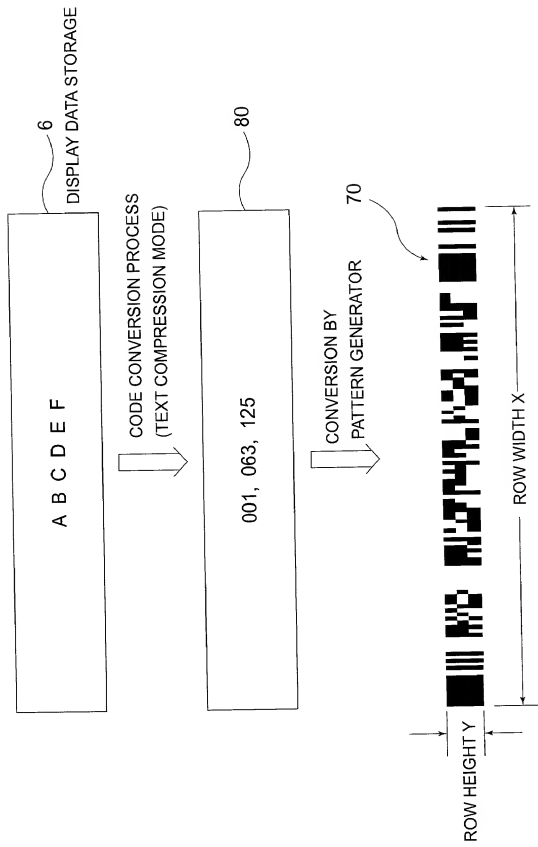


FIG. 4

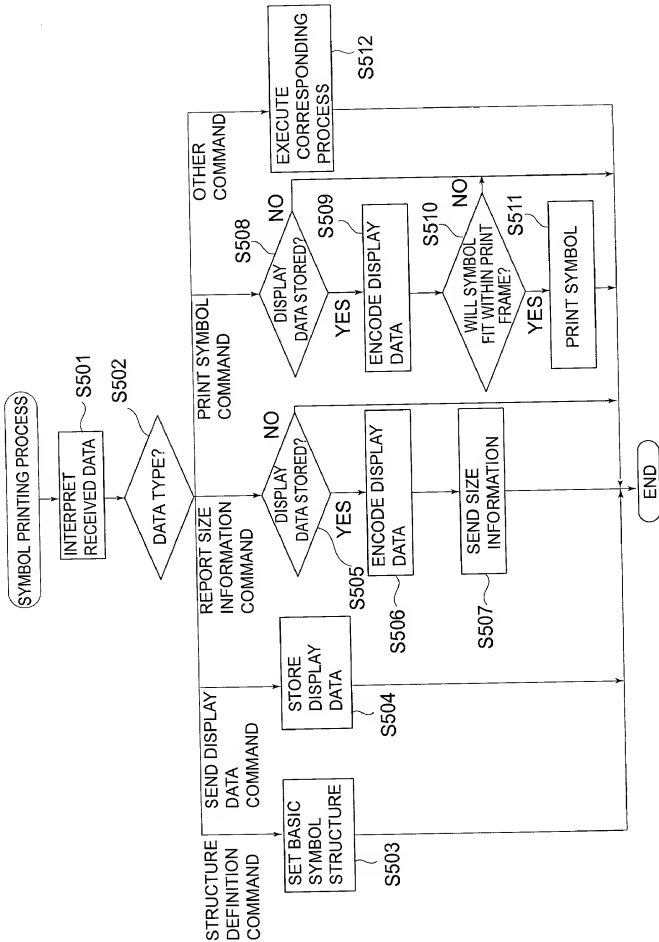


FIG. 5

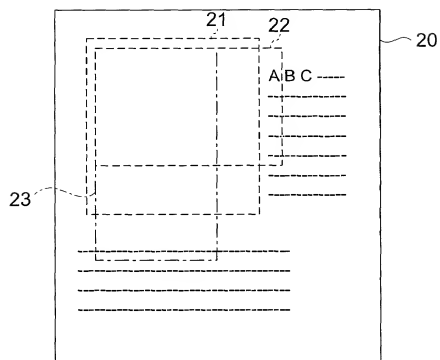


FIG. 6

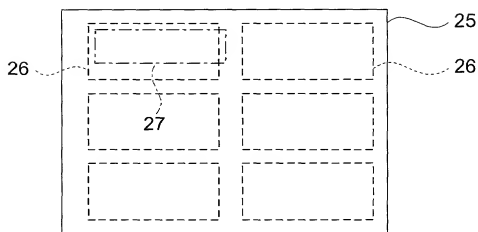


FIG. 7

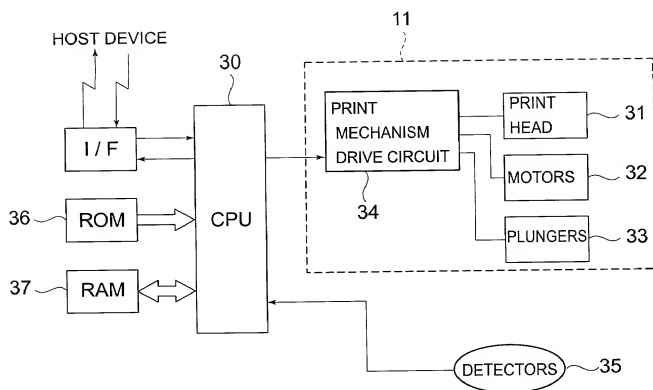


FIG. 8

HOST DEVICE (PC)

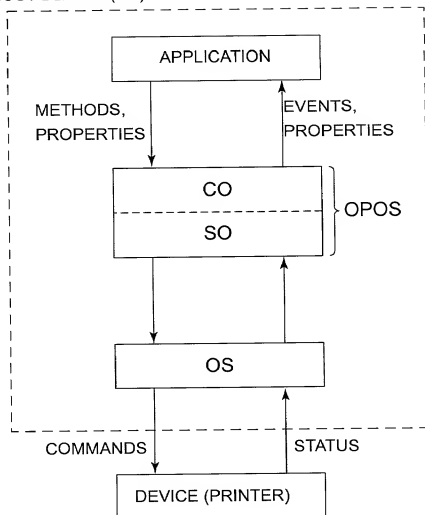


FIG. 9

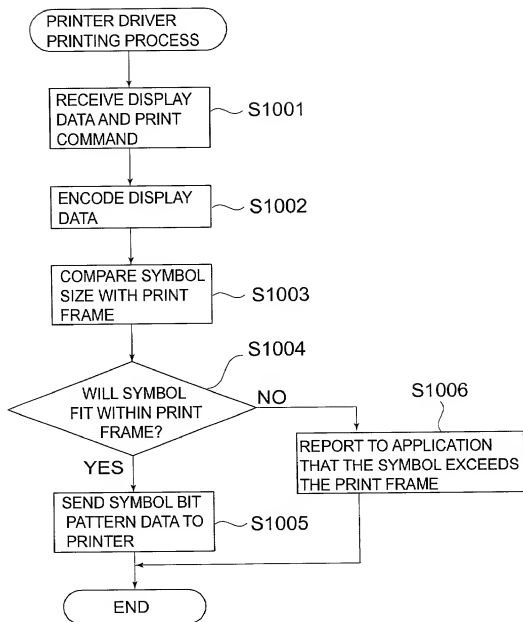


FIG. 10

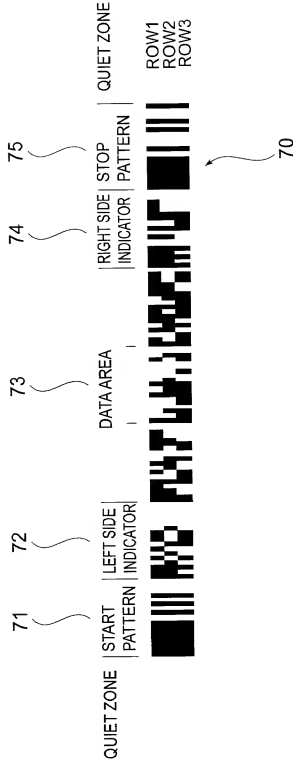


FIG. 11A

005 810 032	ROW1
094 179 880	ROW2
563 781 904	ROW3

FIG. 11B

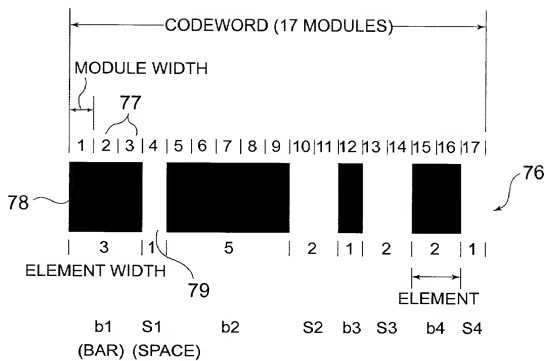


FIG. 12